LOGINID:SSSPTA1642BJF

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 09	ACD predicted properties enhanced in REGISTRY/ZREGISTRY
NEWS	4	OCT 03	MATHDI removed from STN
NEWS	5	OCT 04	CA/CAplus-Canadian Intellectual Property Office (CIPO) added to core patent offices
NEWS	6	OCT 13	New CAS Information Use Policies Effective October 17, 2005
NEWS	7	OCT 17	STN(R) AnaVist(TM), Version 1.01, allows the export/download of CAplus documents for use in third-party analysis and visualization tools
NEWS	8	OCT 27	Free KWIC format extended in full-text databases
NEWS	9	OCT 27	DIOGENES content streamlined
NEWS	10	OCT 27	EPFULL enhanced with additional content
NEWS	11	NOV 14	CA/CAplus - Expanded coverage of German academic research
NEWS	12	NOV 30	REGISTRY/ZREGISTRY on STN(R) enhanced with experimental spectral property data
NEWS	13	DEC 05	CASREACT(R) - Over 10 million reactions available
NEWS	14	DEC 14	2006 MeSH terms loaded in MEDLINE/LMEDLINE
NEWS	15	DEC 14	2006 MeSH terms loaded for MEDLINE file segment of TOXCENTER
NEWS	16	DEC 14	CA/CAplus to be enhanced with updated IPC codes
NEWS	17	DEC 16	MARPATprev will be removed from STN on December 31, 2005
NEWS	18	DEC 21	IPC search and display fields enhanced in CA/CAplus with the IPC reform
NEWS	19	DEC 23	New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/USPAT2

NEWS EXPRESS JANUARY 03 CURRENT VERSION FOR WINDOWS IS V8.01,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
V8.0 USERS CAN OBTAIN THE UPGRADE TO V8.01 AT
http://download.cas.org/express/v8.0-Discover/

NEWS DCOST SINCE APPROXIMATELY 20:00 COLUMBUS TIME DECEMBER 29,
SOME ONLINE COST DISPLAYS HAVE BEEN SHOWING COSTS IN
2006 PRICES FOR STN COLUMBUS FILES. THIS HAS BEEN
CORRECTED. PLEASE BE ASSURED THAT YOU WILL BE BILLED
ACCORDING TO 2005 PRICES UNTIL JAN 1. PLEASE CONTACT
YOUR LOCAL HELP DESK IF YOU HAVE ANY QUESTIONS. WE
APOLOGIZE FOR THE ERROR.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

```
FILE 'HOME' ENTERED AT 16:03:45 ON 03 JAN 2006

=> file caplus
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

FILE 'CAPLUS' ENTERED AT 16:04:01 ON 03 JAN 2006
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FILE COVERS 1907 - 3 Jan 2006  VOL 144 ISS 2
FILE LAST UPDATED: 2 Jan 2006  (20060102/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s us 20030086933/pn
L1            1 US 20030086933/PN
                (US2003086933/PN)

=> s rn
         20124 RN
           634 RNS
L2       20735 RN
                (RN OR RNS)

=> s CB () 1954
         12173 CB
          3804 CBS
         15668 CB
                (CB OR CBS)
          8226 1954
L3          93 CB (W) 1954

=> s l3 and l2
L4           0 L3 AND L2

=> file reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         8.72       8.93

FILE 'REGISTRY' ENTERED AT 16:05:24 ON 03 JAN 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file
```

provided by InfoChem.

STRUCTURE FILE UPDATES: 2 JAN 2006 HIGHEST RN 870976-29-7
DICTIONARY FILE UPDATES: 2 JAN 2006 HIGHEST RN 870976-29-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

```
**********************************************************************
*                                                                    *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,    *
* effective March 20, 2005.  A new display format, IDERL, is now     *
* available and contains the CA role and document type information.  *
*                                                                    *
**********************************************************************
```

Structure search iteration limits have been increased. See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

```
=> s l2
          2889 RN
            15 RNS
L5        2902 RN
                (RN OR RNS)

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                 5.20      14.13
```

FILE 'CAPLUS' ENTERED AT 16:06:06 ON 03 JAN 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 3 Jan 2006 VOL 144 ISS 2
FILE LAST UPDATED: 2 Jan 2006 (20060102/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> d his

     (FILE 'HOME' ENTERED AT 16:03:45 ON 03 JAN 2006)

     FILE 'CAPLUS' ENTERED AT 16:04:01 ON 03 JAN 2006
L1   1 S US 20030086933/PN
L2   20735 S RN
L3   93 S CB () 1954
L4   0 S L3 AND L2

     FILE 'REGISTRY' ENTERED AT 16:05:24 ON 03 JAN 2006
L5   2902 S L2

     FILE 'CAPLUS' ENTERED AT 16:06:06 ON 03 JAN 2006

=> sel rn l1
E1 THROUGH E45 ASSIGNED

=> file reg
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                         ENTRY   SESSION
FULL ESTIMATED COST   0.54   14.67

FILE 'REGISTRY' ENTERED AT 16:06:28 ON 03 JAN 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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STRUCTURE FILE UPDATES: 2 JAN 2006 HIGHEST RN 870976-29-7
DICTIONARY FILE UPDATES: 2 JAN 2006 HIGHEST RN 870976-29-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

****
*   *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005. A new display format, IDERL, is now   *
* available and contains the CA role and document type information. *
*   *
****

Structure search iteration limits have been increased. See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> s e1-e45
             1 19132-12-8/BI

(19132-12-8/RN)
1 21919-05-1/BI
(21919-05-1/RN)
1 100-39-0/BI
(100-39-0/RN)
1 106-94-5/BI
(106-94-5/RN)
1 106047-77-2/BI
(106047-77-2/RN)
1 107-08-4/BI
(107-08-4/RN)
1 109942-74-7/BI
(109942-74-7/RN)
1 1120-71-4/BI
(1120-71-4/RN)
1 114554-11-9/BI
(114554-11-9/RN)
1 115503-79-2/BI
(115503-79-2/RN)
1 119643-82-2/BI
(119643-82-2/RN)
1 126298-92-8/BI
(126298-92-8/RN)
1 141-76-4/BI
(141-76-4/RN)
1 144-48-9/BI
(144-48-9/RN)
1 17376-04-4/BI
(17376-04-4/RN)
1 17750-23-1/BI
(17750-23-1/RN)
1 17750-24-2/BI
(17750-24-2/RN)
1 218443-88-0/BI
(218443-88-0/RN)
1 218443-90-4/BI
(218443-90-4/RN)
1 218443-91-5/BI
(218443-91-5/RN)
1 218443-92-6/BI
(218443-92-6/RN)
1 218443-93-7/BI
(218443-93-7/RN)
1 4229-56-5/BI
(4229-56-5/RN)
1 51652-08-5/BI
(51652-08-5/RN)
1 52047-79-7/BI
(52047-79-7/RN)
1 53-57-6/BI
(53-57-6/RN)
1 5463-59-2/BI
(5463-59-2/RN)
1 58-68-4/BI
(58-68-4/RN)
1 58880-44-7/BI
(58880-44-7/RN)
1 624-76-0/BI
(624-76-0/RN)
1 627-18-9/BI
(627-18-9/RN)
1 6456-44-6/BI
(6456-44-6/RN)
1 64881-21-6/BI

(64881-21-6/RN)
1 667919-86-0/BI
(667919-86-0/RN)
1 7145-37-1/BI
(7145-37-1/RN)
1 72306-81-1/BI
(72306-81-1/RN)
1 75-03-6/BI
(75-03-6/RN)
1 75-26-3/BI
(75-26-3/RN)
1 75-30-9/BI
(75-30-9/RN)
1 89080-16-0/BI
(89080-16-0/RN)
1 9037-41-6/BI
(9037-41-6/RN)
1 952-92-1/BI
(952-92-1/RN)
1 97009-81-9/BI
(97009-81-9/RN)
1 98-92-0/BI
(98-92-0/RN)
1 99362-74-0/BI
(99362-74-0/RN)

L6 45 (19132-12-8/BI OR 21919-05-1/BI OR 100-39-0/BI OR 106-94-5/BI OR 106047-77-2/BI OR 107-08-4/BI OR 109942-74-7/BI OR 1120-71-4/BI OR 114554-11-9/BI OR 115503-79-2/BI OR 119643-82-2/BI OR 126298-92-8/BI OR 141-76-4/BI OR 144-48-9/BI OR 17376-04-4/BI OR 17750-23-1/BI OR 17750-24-2/BI OR 218443-88-0/BI OR 218443-90-4/BI OR 218443-91-5/BI OR 218443-92-6/BI OR 218443-93-7/BI OR 4229-56-5/BI OR 51652-08-5/BI OR 52047-79-7/BI OR 53-57-6/BI OR 5463-59-2/BI OR 58-68-4/BI OR 58880-44-7/BI OR 624-76-0/BI OR 627-18-9/BI OR 6456-44-6/BI OR 64881-21-6/BI OR 667919-86-0/BI OR 7145-37-1/BI OR 72306-81-1/BI OR 75-03-6/BI OR 75-26-3/BI OR 75-30-9/BI OR 89080-16-0/BI OR 9037-41-6/BI OR 952-92-1/BI OR 97009-81-9/BI OR 98-92-0/BI OR 99362-74-0/BI)

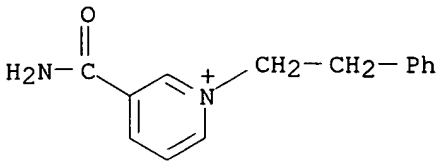
=> d 1-45

L6 ANSWER 1 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **667919-86-0** REGISTRY
ED Entered STN: 26 Mar 2004
CN Dehydrogenase, reduced nicotinamide riboside (quinone) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Dihydronicotinamide riboside quinone oxidoreductase 2
CN Dihydronicotinamide riboside quinone reductase 2
CN Dihydronicotinamide riboside:quinone oxidoreductase
CN NQO2 oxidoreductase
CN NRH:quinone oxidoreductase
CN Reduced nicotinamide riboside (quinone) dehydrogenase
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
35 REFERENCES IN FILE CA (1907 TO DATE)
35 REFERENCES IN FILE CAPLUS (1907 TO DATE)

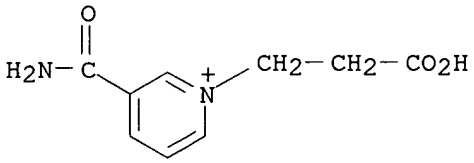
L6 ANSWER 2 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **218443-93-7** REGISTRY
ED Entered STN: 29 Jan 1999

CN Pyridinium, 3-(aminocarbonyl)-1-(2-phenylethyl)-, iodide (9CI) (CA INDEX NAME)
MF C14 H15 N2 O . I
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
CRN (761385-40-4)



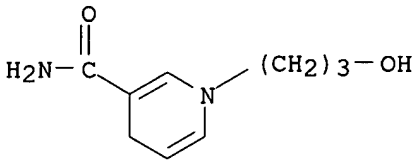
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 3 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **218443-92-6** REGISTRY
ED Entered STN: 29 Jan 1999
CN Pyridinium, 3-(aminocarbonyl)-1-(2-carboxyethyl)-, iodide (9CI) (CA INDEX NAME)
MF C9 H11 N2 O3 . I
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
CRN (717820-87-6)



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

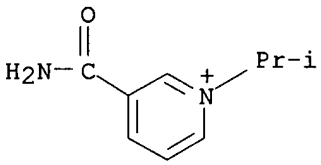
L6 ANSWER 4 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **218443-91-5** REGISTRY
ED Entered STN: 29 Jan 1999
CN 3-Pyridinecarboxamide, 1,4-dihydro-1-(3-hydroxypropyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C9 H14 N2 O2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

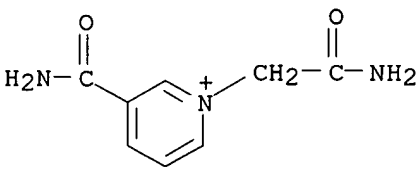
L6 ANSWER 5 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **218443-90-4** REGISTRY
ED Entered STN: 29 Jan 1999
CN Pyridinium, 3-(aminocarbonyl)-1-(1-methylethyl)-, bromide (9CI) (CA INDEX NAME)
MF C9 H13 N2 O . Br
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
CRN (745779-44-6)



● Br^-

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

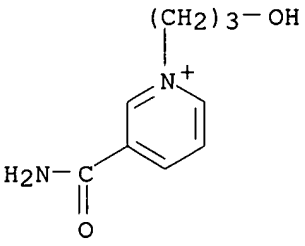
L6 ANSWER 6 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **218443-88-0** REGISTRY
ED Entered STN: 29 Jan 1999
CN Pyridinium, 3-(aminocarbonyl)-1-(2-amino-2-oxoethyl)-, iodide (9CI) (CA INDEX NAME)
MF C8 H10 N3 O2 . I
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
CRN (66822-26-2)



● I^-

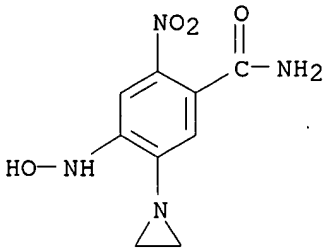
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 7 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **126298-92-8** REGISTRY
ED Entered STN: 06 Apr 1990
CN Pyridinium, 3-(aminocarbonyl)-1-(3-hydroxypropyl)-, bromide (9CI) (CA INDEX NAME)
MF C9 H13 N2 O2 . Br
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
CRN (83643-85-0)



4 REFERENCES IN FILE CA (1907 TO DATE)
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 8 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **119643-82-2** REGISTRY
ED Entered STN: 17 Mar 1989
CN Benzamide, 5-(1-aziridinyl)-4-(hydroxyamino)-2-nitro- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C9 H10 N4 O4
SR CA
LC STN Files: CA, CANCERLIT, CAPLUS, MEDLINE, TOXCENTER, USPATFULL

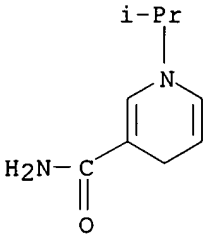


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

12 REFERENCES IN FILE CA (1907 TO DATE)
12 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 9 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **115503-79-2** REGISTRY
ED Entered STN: 30 Jul 1988

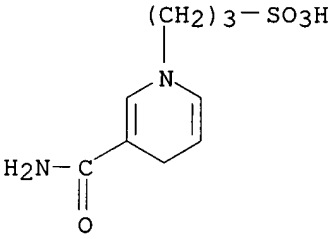
CN 3-Pyridinecarboxamide, 1,4-dihydro-1-(1-methylethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C9 H14 N2 O
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 10 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **114554-11-9** REGISTRY
ED Entered STN: 21 May 1988
CN 1(4H)-Pyridinepropanesulfonic acid, 3-(aminocarbonyl)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1(4H)-Pyridinepropanesulfonic acid, 3-carbamoyl- (6CI)
FS 3D CONCORD
MF C9 H14 N2 O4 S
SR CAOLD
LC STN Files: CA, CAOLD, CAPLUS, TOXCENTER, USPATFULL

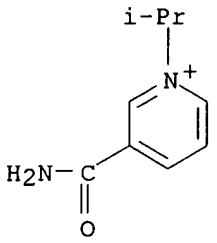


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

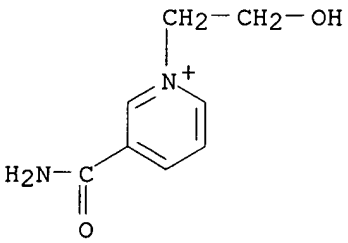
L6 ANSWER 11 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **109942-74-7** REGISTRY
ED Entered STN: 22 Aug 1987
CN Pyridinium, 3-(aminocarbonyl)-1-(1-methylethyl)-, iodide (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 3-Carbamoyl-1-isopropylpyridinium iodide (6CI)
MF C9 H13 N2 O . I
SR CAOLD

LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)
CRN (745779-44-6)



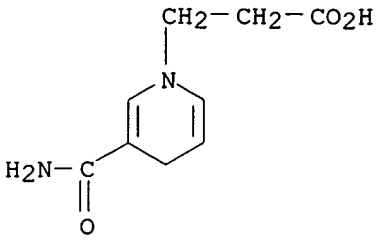
5 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 12 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **106047-77-2** REGISTRY
ED Entered STN: 10 Jan 1987
CN Pyridinium, 3-(aminocarbonyl)-1-(2-hydroxyethyl)-, iodide (9CI) (CA INDEX NAME)
MF C8 H11 N2 O2 . I
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
CRN (66822-21-7)



4 REFERENCES IN FILE CA (1907 TO DATE)
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

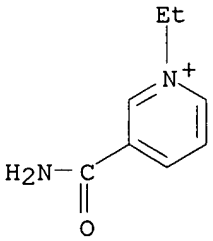
L6 ANSWER 13 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **99362-74-0** REGISTRY
ED Entered STN: 07 Dec 1985
CN 1(4H)-Pyridinepropanoic acid, 3-(aminocarbonyl)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1(4H)-Pyridinepropionic acid, 3-carbamoyl- (6CI)
FS 3D CONCORD
MF C9 H12 N2 O3
SR CAOLD
LC STN Files: CA, CAOLD, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

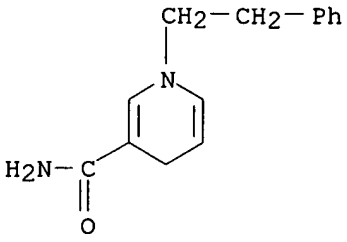
L6 ANSWER 14 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **97009-81-9** REGISTRY
ED Entered STN: 01 Jul 1985
CN Pyridinium, 3-(aminocarbonyl)-1-ethyl-, iodide (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 3-Carbamoyl-1-ethylpyridinium iodide (6CI)
CN Pyridinium, 3-carbamyl-1-ethyl-, iodide (4CI)
MF C8 H11 N2 O . I
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)
CRN (71413-64-4)



● I^-

12 REFERENCES IN FILE CA (1907 TO DATE)
12 REFERENCES IN FILE CAPLUS (1907 TO DATE)
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

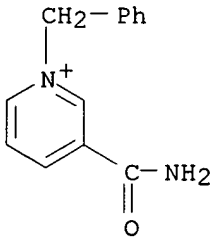
L6 ANSWER 15 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **89080-16-0** REGISTRY
ED Entered STN: 16 Nov 1984
CN 3-Pyridinecarboxamide, 1,4-dihydro-1-(2-phenylethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H16 N2 O
LC STN Files: BEILSTEIN*, CA, CAPLUS, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1907 TO DATE)
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 16 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **72306-81-1** REGISTRY
ED Entered STN: 16 Nov 1984
CN Pyridinium, 3-(aminocarbonyl)-1-(phenylmethyl)-, iodide (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Benzyl-3-carbamoylpyridinium iodide (6CI, 7CI)
MF C13 H13 N2 O . I
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)
CRN (16183-83-8)

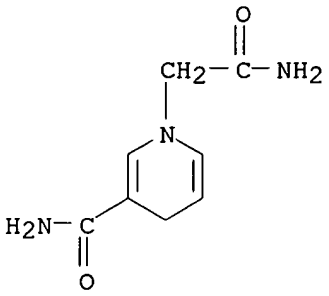


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 17 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **64881-21-6** REGISTRY
ED Entered STN: 16 Nov 1984
CN 1(4H)-Pyridineacetamide, 3-(aminocarbonyl)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1-Carbamoylmethyl-1,4-dihydronicotinamide
CN Caricotamide
CN EP 0152R
FS 3D CONCORD
MF C8 H11 N3 O2
LC STN Files: BEILSTEIN*, CA, CAPLUS, TOXCENTER, USPATFULL

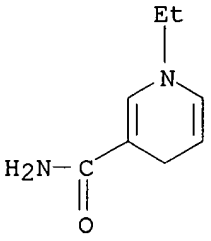
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

9 REFERENCES IN FILE CA (1907 TO DATE)
9 REFERENCES IN FILE CAPLUS (1907 TO DATE)

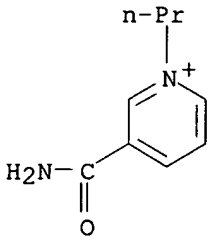
L6 ANSWER 18 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **58880-44-7** REGISTRY
ED Entered STN: 16 Nov 1984
CN 3-Pyridinecarboxamide, 1-ethyl-1,4-dihydro- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN N-Ethyl-1,4-dihydronicotinamide
FS 3D CONCORD
MF C8 H12 N2 O
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

8 REFERENCES IN FILE CA (1907 TO DATE)
8 REFERENCES IN FILE CAPLUS (1907 TO DATE)

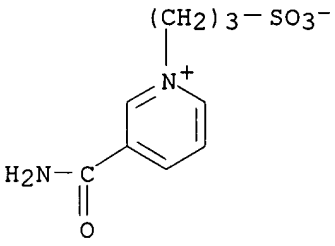
L6 ANSWER 19 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **52047-79-7** REGISTRY
ED Entered STN: 16 Nov 1984
CN Pyridinium, 3-(aminocarbonyl)-1-propyl-, bromide (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Pyridinium, 3-carbamoyl-1-propyl-, bromide (6CI)
OTHER NAMES:
CN 3-Carbamoyl-1-propylpyridinium bromide
MF C9 H13 N2 O . Br
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)
CRN (13309-33-6)



● Br^-

15 REFERENCES IN FILE CA (1907 TO DATE)
15 REFERENCES IN FILE CAPLUS (1907 TO DATE)
4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 20 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **51652-08-5** REGISTRY
ED Entered STN: 16 Nov 1984
CN Pyridinium, 3-(aminocarbonyl)-1-(3-sulfopropyl)-, inner salt (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 3-Carbamoyl-1-(3-sulfopropyl)pyridinium hydroxide, inner salt (6CI)
CN Pyridinium, 3-(aminocarbonyl)-1-(3-sulfopropyl)-, hydroxide, inner salt
FS 3D CONCORD
MF C9 H12 N2 O4 S
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMLIST, MSDS-OHS, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)

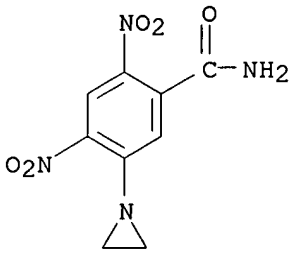


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

11 REFERENCES IN FILE CA (1907 TO DATE)
11 REFERENCES IN FILE CAPLUS (1907 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 21 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **21919-05-1** REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzamide, 5-(1-aziridinyl)-2,4-dinitro- (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 2,4-Dinitro-5-ethyleneiminobenzamide
CN 2,4-Dinitroethyleneiminobenzamide
CN 5-(1-Aziridinyl)-2,4-dinitrobenzamide
CN 5-Aziridino-2,4-dinitrobenzamide

CN 5-Aziridinyl-2,4-dinitrobenzamide
CN CB 1954
CN NSC 115829
CN Tretazicar
MF C9 H8 N4 O5
LC STN Files: ADISNEWS, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CHEMCATS, CIN, DDFU, DRUGU, EMBASE, IMSDRUGNEWS, IMSRESEARCH, MEDLINE, PROMT, PROUSDDR, RTECS*, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)

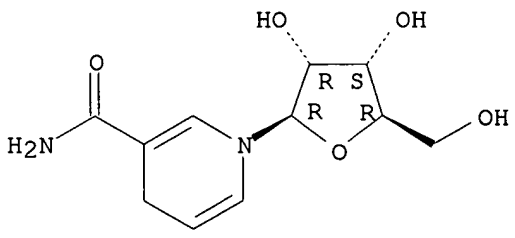


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

168 REFERENCES IN FILE CA (1907 TO DATE)
4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
169 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 22 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **19132-12-8** REGISTRY
ED Entered STN: 16 Nov 1984
CN 3-Pyridinecarboxamide, 1,4-dihydro-1-β-D-ribofuranosyl- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Nicotinamide, 1,4-dihydro-1-β-D-ribofuranosyl- (6CI, 7CI, 8CI)
OTHER NAMES:
CN β-Reduced nicotinamide ribonucleoside
CN Reduced nicotinamide riboside
FS STEREOSEARCH
MF C11 H16 N2 O5
CI COM
LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.

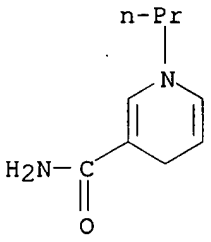


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

16 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
16 REFERENCES IN FILE CAPLUS (1907 TO DATE)

4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

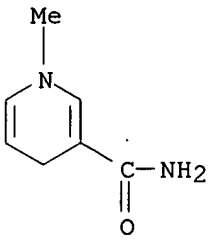
L6 ANSWER 23 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **17750-24-2** REGISTRY
ED Entered STN: 16 Nov 1984
CN 3-Pyridinecarboxamide, 1,4-dihydro-1-propyl- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Nicotinamide, 1,4-dihydro-1-propyl- (6CI, 7CI, 8CI)
OTHER NAMES:
CN 1,4-Dihydro-N1-propylnicotinamide
CN 1-n-Propyl-1,4-dihydronicotinamide
CN 1-Propyl-1,4-dihydronicotinamide
CN N-Propyldihydronicotinamide
CN N1-(n-Propyl)-1,4-dihydronicotinamide
FS 3D CONCORD
MF C9 H14 N2 O
LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, HODOC*, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

95 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
95 REFERENCES IN FILE CAPLUS (1907 TO DATE)
15 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 24 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **17750-23-1** REGISTRY
ED Entered STN: 16 Nov 1984
CN 3-Pyridinecarboxamide, 1,4-dihydro-1-methyl- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Nicotinamide, 1,4-dihydro-1-methyl- (6CI, 8CI)
OTHER NAMES:
CN 1,4-Dihydro-1-methylnicotinamide
CN 1,4-Dihydro-N-methylnicotinamide
CN 1-Methyl-1,4-dihydronicotinamide
CN 3-Carbamoyl-1,4-dihydro-1-methylpyridine
CN N-Methyl-1,4-dihydronicotinamide
FS 3D CONCORD
MF C7 H10 N2 O
CI COM
LC STN Files: BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, IFICDB, IFIPAT, IFIUDB, MEDLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

107 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
107 REFERENCES IN FILE CAPLUS (1907 TO DATE)
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 25 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **17376-04-4** REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzene, (2-iodoethyl)- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN (2-Iodoethyl)benzene
CN β-Phenethyl iodide
CN β-Phenylethyl iodide
CN 1-Iodo-2-phenylethane
CN 2-Phenylethyl iodide
CN Phenethyl iodide
FS 3D CONCORD
MF C8 H9 I
CI COM
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, DETHERM*, GMELIN*, HODOC*, SPECINFO, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: NDSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

$ICH_2—CH_2—Ph$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

268 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
268 REFERENCES IN FILE CAPLUS (1907 TO DATE)
15 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 26 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **9037-41-6** REGISTRY
ED Entered STN: 16 Nov 1984
CN Reductase, nitro- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 2,4,6-Trinitrotoluene nitroreductase
CN 3-Nitrophenol reductase
CN 4-Nitrobiphenyl reductase
CN Aromatic nitroreductase
CN Dinitropyrene nitroreductase
CN Nitrobenzene nitroreductase
CN Nitrobenzene reductase

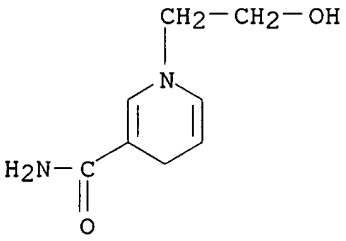
CN Nitrobenzoic acid reductase
CN Nitrophenol reductase
CN Nitroreductase
CN Nitroreductase (NADH)
CN PETN reductase
CN TNT nitroreductase
MF Unspecified
CI MAN
LC STN Files: ADISNEWS, AGRICOLA, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAPLUS, CEN, CIN, EMBASE, PIRA, PROMT, TOXCENTER, USPAT2, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

663 REFERENCES IN FILE CA (1907 TO DATE)
11 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
666 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 27 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **7145-37-1** REGISTRY
ED Entered STN: 16 Nov 1984
CN 3-Pyridinecarboxamide, 1,4-dihydro-1-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Nicotinamide, 1,4-dihydro-1-(2-hydroxyethyl)- (7CI, 8CI)
OTHER NAMES:
CN NSC 74259
FS 3D CONCORD
MF C8 H12 N2 O2
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)

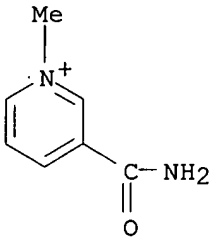


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6 REFERENCES IN FILE CA (1907 TO DATE)
6 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 28 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **6456-44-6** REGISTRY
ED Entered STN: 16 Nov 1984
CN Pyridinium, 3-(aminocarbonyl)-1-methyl-, iodide (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 3-Carbamoyl-1-methylpyridinium iodide (6CI, 7CI)
CN Pyridinium, 3-carbamoyl-1-methyl-, iodide (8CI)
CN Pyridinium, 3-carbamyl-1-methyl-, iodide (4CI)
OTHER NAMES:
CN 1-Methylnicotinamide iodide
CN Nicotinamide methiodide
MF C7 H9 N2 O . I
SR CAS EARLY REGISTRATIONS

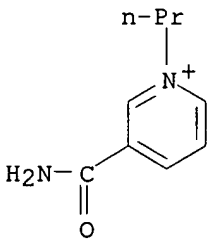
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CSCHEM, GMELIN*, RTECS*, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)
CRN (3106-60-3)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

104 REFERENCES IN FILE CA (1907 TO DATE)
104 REFERENCES IN FILE CAPLUS (1907 TO DATE)
19 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

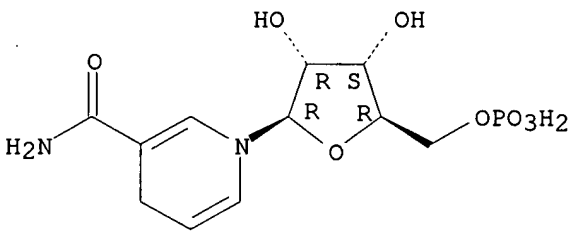
L6 ANSWER 29 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **5463-59-2** REGISTRY
ED Entered STN: 16 Nov 1984
CN Pyridinium, 3-(aminocarbonyl)-1-propyl-, iodide (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 3-Carbamoyl-1-propylpyridinium iodide (6CI, 7CI)
CN Pyridinium, 3-carbamoyl-1-propyl-, iodide (8CI)
MF C9 H13 N2 O . I
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, HODOC*, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)
CRN (13309-33-6)



18 REFERENCES IN FILE CA (1907 TO DATE)
18 REFERENCES IN FILE CAPLUS (1907 TO DATE)
4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 30 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **4229-56-5** REGISTRY
ED Entered STN: 16 Nov 1984
CN 3-Pyridinecarboxamide, 1,4-dihydro-1-(5-O-phosphono-β-D-ribofuranosyl)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Nicotinamide, 1,4-dihydro-1-β-D-ribofuranosyl-, 5'-(dihydrogen phosphate) (8CI)
CN Nicotinamide, 1,4-dihydro-1-β-D-ribofuranosyl-, 5'-phosphate (7CI)
OTHER NAMES:
CN β-NMNH
CN 1,4-Dihydronicotinamide mononucleotide
CN 1,4-Dihydronicotinamide ribonucleotide
CN Nicotinamide ribonucleotide, reduced
CN NMNH
CN NMNH2
CN Reduced nicotinamide mononucleotide
CN Reduced nicotinamide ribonucleotide
FS STEREOSEARCH
MF C11 H17 N2 O8 P
CI COM
LC STN Files: AGRICOLA, BEILSTEIN*, CA, CAOLD, CAPLUS, CEN, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.

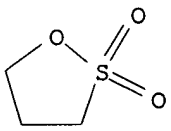


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

77 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
77 REFERENCES IN FILE CAPLUS (1907 TO DATE)
4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 31 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **1120-71-4** REGISTRY
ED Entered STN: 16 Nov 1984
CN 1,2-Oxathiolane, 2,2-dioxide (8CI, 9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Propanesulfonic acid, 3-hydroxy-, γ-sultone (6CI)
OTHER NAMES:
CN γ-Propane sultone
CN 1,3-Propane sultone
CN 1,3-Trimethylene sultone
CN 3-Hydroxy-1-propanesulfonic acid γ-sultone
CN 3-Hydroxy-1-propanesulfonic acid sultone
CN NSC 42386
CN Propane sultone
CN Propyl sultone
FS 3D CONCORD
MF C3 H6 O3 S

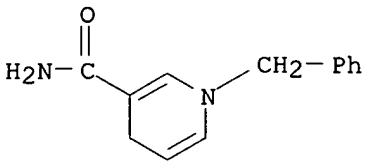
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DETHERM*, EMBASE, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MSDS-OHS, NIOSHTIC, PROMT, PS, RTECS*, SPECINFO, TOXCENTER, ULIDAT, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1720 REFERENCES IN FILE CA (1907 TO DATE)
374 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1723 REFERENCES IN FILE CAPLUS (1907 TO DATE)
31 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

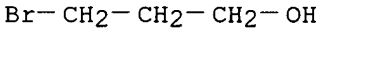
L6 ANSWER 32 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **952-92-1** REGISTRY
ED Entered STN: 16 Nov 1984
CN 3-Pyridinecarboxamide, 1,4-dihydro-1-(phenylmethyl)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Nicotinamide, 1-benzyl-1,4-dihydro- (6CI, 7CI, 8CI)
OTHER NAMES:
CN 1,4-Dihydro-1-(phenylmethyl)-3-pyridinecarboxamide
CN 1,4-Dihydro-N-benzylnicotinamide
CN 1-Benzyl-1,4-dihydronicotinamide
CN 1-Benzyl-3-carbamido-1,4-dihydropyridine
CN 1-Benzyl-3-carbamoyl-1,4-dihydropyridine
CN BNAH
CN N-Benzyl-1,4-dihydronicotinamide
CN N-Benzyl-3-carbamoyl-1,4-dihydropyridine
CN N-Benzyldihydronicotinamide
CN NSC 26899
FS 3D CONCORD
DR 174307-50-7, 84062-23-7
MF C13 H14 N2 O
CI COM
LC STN Files: AGRICOLA, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CSCHEM, GMELIN*, IFICDB, IFIPAT, IFIUDB, MEDLINE, PIRA, PROMT, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

582 REFERENCES IN FILE CA (1907 TO DATE)
10 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
582 REFERENCES IN FILE CAPLUS (1907 TO DATE)
31 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 33 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **627-18-9** REGISTRY
ED Entered STN: 16 Nov 1984
CN 1-Propanol, 3-bromo- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1-Bromo-3-hydroxypropane
CN 1-Bromo-3-propanol
CN 3-Bromo-1-propanol
CN 3-Bromopropyl alcohol
CN 3-Hydroxypropyl bromide
CN Trimethylene bromohydrin
FS 3D CONCORD
MF C3 H7 Br O
CI COM
LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, EMBASE, GMELIN*, HODOC*, IFICDB, IFIPAT, IFIUDB, NIOSHTIC, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**, NDSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

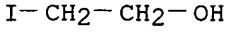


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1358 REFERENCES IN FILE CA (1907 TO DATE)
17 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1358 REFERENCES IN FILE CAPLUS (1907 TO DATE)
8 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 34 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **624-76-0** REGISTRY
ED Entered STN: 16 Nov 1984
CN Ethanol, 2-iodo- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 2-Iodoethanol
CN Ethylene iodohydrin
CN Iodoethanol
CN NSC 85227
FS 3D CONCORD
MF C2 H5 I O
CI COM
LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,

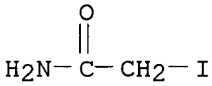
CHEMINFORMRX, CHEMLIST, CSCHEM, DETHERM*, HODOC*, IFICDB, IFIPAT, IFIUDB, NIOSHTIC, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

457 REFERENCES IN FILE CA (1907 TO DATE)
6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
457 REFERENCES IN FILE CAPLUS (1907 TO DATE)
7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 35 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **144-48-9** REGISTRY
ED Entered STN: 16 Nov 1984
CN Acetamide, 2-iodo- (8CI, 9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acetamide, iodo- (6CI)
OTHER NAMES:
CN α-Iodoacetamide
CN 2-Iodoacetamide
CN Iodoacetamide
CN Monoiodoacetamide
CN NSC 9581
CN Surauto
FS 3D CONCORD
MF C2 H4 I N O
CI COM
LC STN Files: AGRICOLA, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, DDFU, DRUGU, EMBASE, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA, PROMT, RTECS*, SCISEARCH, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL, VETU
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1630 REFERENCES IN FILE CA (1907 TO DATE)
45 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1631 REFERENCES IN FILE CAPLUS (1907 TO DATE)
80 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 36 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **141-76-4** REGISTRY
ED Entered STN: 16 Nov 1984
CN Propanoic acid, 3-iodo- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Propionic acid, 3-iodo- (6CI, 7CI, 8CI)

OTHER NAMES:
CN β-Iodopropionic acid
CN 3-Iodopropanoic acid
CN 3-Iodopropionic acid
CN NSC 2124
FS 3D CONCORD
MF C3 H5 I O2
CI COM
LC STN Files: ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, GMELIN*, HODOC*, MSDS-OHS, NIOSHTIC, RTECS*, SPECINFO, TOXCENTER, USPAT2, USPATFULL
      (*File contains numerically searchable property data)
    Other Sources: EINECS**, NDSL**, TSCA**
      (**Enter CHEMLIST File for up-to-date regulatory information)

$ICH_2-CH_2-CO_2H$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

180 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
180 REFERENCES IN FILE CAPLUS (1907 TO DATE)
17 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 37 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **107-08-4** REGISTRY
ED Entered STN: 16 Nov 1984
CN Propane, 1-iodo- (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1-Iodopropane
CN n-Propyl iodide
CN Propane iodide
CN Propyl iodide
FS 3D CONCORD
MF C3 H7 I
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CSCHEM, DETHERM*, DIPPR*, EMBASE, GMELIN*, HODOC*, IFICDB, IFIPAT, IFIUDB, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, USPAT2, USPATFULL, VTB
      (*File contains numerically searchable property data)
    Other Sources: DSL**, EINECS**, TSCA**
      (**Enter CHEMLIST File for up-to-date regulatory information)

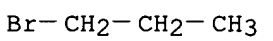
$H_3C-CH_2-CH_2-I$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3145 REFERENCES IN FILE CA (1907 TO DATE)
13 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
3153 REFERENCES IN FILE CAPLUS (1907 TO DATE)
5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 38 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **106-94-5** REGISTRY
ED Entered STN: 16 Nov 1984

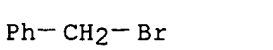
CN Propane, 1-bromo- (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1-Bromopropane
CN 1-Propyl bromide
CN Ascusol MC
CN Leksol
CN n-Propyl bromide
CN Propyl bromide
FS 3D CONCORD
MF C3 H7 Br
CI COM
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DETHERM*, DIPPR*, EMBASE, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA, PROMT, PS, RTECS*, SCISEARCH, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4152 REFERENCES IN FILE CA (1907 TO DATE)
46 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
4158 REFERENCES IN FILE CAPLUS (1907 TO DATE)
5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 39 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **100-39-0** REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzene, (bromomethyl)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Toluene, α-bromo- (8CI)
OTHER NAMES:
CN (Bromomethyl)benzene
CN (Bromophenyl)methane
CN α-Bromotoluene
CN ω-Bromotoluene
CN Benzyl bromide
CN NSC 8041
CN Phenylmethyl bromide
FS 3D CONCORD
MF C7 H7 Br
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DETHERM*, EMBASE, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, NIOSHTIC, PDLCOM*, PIRA, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, ULIDAT, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

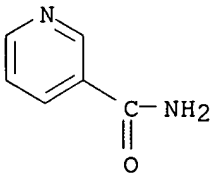


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

13497 REFERENCES IN FILE CA (1907 TO DATE)
101 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
13535 REFERENCES IN FILE CAPLUS (1907 TO DATE)
6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 40 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **98-92-0** REGISTRY
ED Entered STN: 16 Nov 1984
CN 3-Pyridinecarboxamide (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Nicotinamide (8CI)
OTHER NAMES:
CN β-Pyridinecarboxamide
CN 3-(Aminocarbonyl)pyridine
CN 3-Amidopyridine
CN 3-Carbamoylpyridine
CN 3-Pyridinecarboxylic acid amide
CN Aminicotin
CN Benicot
CN Delonin Amide
CN Dipegyl
CN m-(Aminocarbonyl)pyridine
CN NAM
CN Niacinamide
CN Niavit PP
CN Nicamina
CN Nicamindon
CN Nicasir
CN Nicobion
CN Nicofort
CN Nicosan 2
CN Nicosylamide
CN Nicotilamide
CN Nicotine acid amide
CN Nicotinic acid amide
CN Nicotinic amide
CN Nicotylamide
CN Nicovit
CN Nicovitina
CN Nictoamide
CN Niocinamide
CN Niozymin
CN NSC 13128
CN NSC 27452
CN Papulex
CN Pelmin
CN Pelmine
CN Pelonin amide
CN Vi-Nicotyl
CN Vitamin B
CN Vitamin B3
FS 3D CONCORD
DR 123574-63-0, 37321-14-5, 78731-47-2
MF C6 H6 N2 O
CI COM
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOGENES, DRUGU, EMBASE, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PHAR, PIRA, PROMT, PROUSDDR, PS, RTECS*, SPECINFO, TOXCENTER, USAN, USPAT2, USPATFULL, VTB

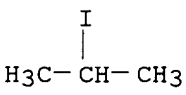
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

9025 REFERENCES IN FILE CA (1907 TO DATE)
402 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
9036 REFERENCES IN FILE CAPLUS (1907 TO DATE)
9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 41 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **75-30-9** REGISTRY
ED Entered STN: 16 Nov 1984
CN Propane, 2-iodo- (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1-Methylethyl iodide
CN 2-Iodopropane
CN 2-Propyl iodide
CN Isopropyl iodide
CN sec-Propyl iodide
FS 3D CONCORD
MF C3 H7 I
CI COM
LC STN Files: ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CSCHEM, DETHERM*, DIPPR*, GMELIN*, HODOC*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, MSDS-OHS, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

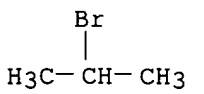


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2866 REFERENCES IN FILE CA (1907 TO DATE)
7 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2877 REFERENCES IN FILE CAPLUS (1907 TO DATE)
4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 42 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **75-26-3** REGISTRY
ED Entered STN: 16 Nov 1984
CN Propane, 2-bromo- (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 2-Bromopropane
CN Isopropyl bromide
CN sec-Propyl bromide

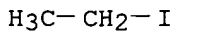
FS 3D CONCORD
MF C3 H7 Br
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
    BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS,
    CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DETHERM*, DIPPR*,
    EMBASE, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE,
    MRCK*, MSDS-OHS, NIOSHTIC, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE,
    TOXCENTER, ULIDAT, USPAT2, USPATFULL
      (*File contains numerically searchable property data)
    Other Sources: DSL**, EINECS**, TSCA**
      (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

          3333 REFERENCES IN FILE CA (1907 TO DATE)
            15 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
          3340 REFERENCES IN FILE CAPLUS (1907 TO DATE)
             1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 43 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **75-03-6** REGISTRY
ED Entered STN: 16 Nov 1984
CN Ethane, iodo- (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN Ethyl iodide
CN Hydriodic ether
CN Iodoethane
CN Monoiodoethane
CN NSC 8825
FS 3D CONCORD
MF C2 H5 I
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
    BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,
    CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DETHERM*, DIPPR*, EMBASE,
    ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HODOC*, IFICDB,
    IFIPAT, IFIUDB, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA,
    PROMT, PS, RTECS*, SPECINFO, TOXCENTER, USPAT2, USPATFULL, VTB
      (*File contains numerically searchable property data)
    Other Sources: DSL**, EINECS**, TSCA**
      (**Enter CHEMLIST File for up-to-date regulatory information)



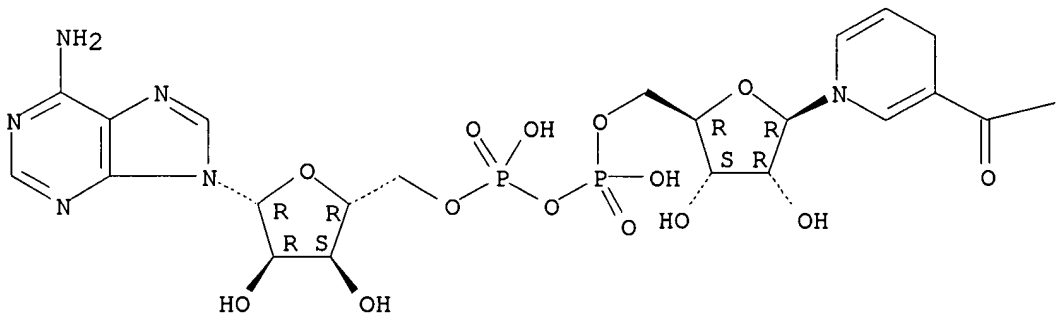
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

          6769 REFERENCES IN FILE CA (1907 TO DATE)
            73 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
          6781 REFERENCES IN FILE CAPLUS (1907 TO DATE)
             6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 44 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **58-68-4** REGISTRY

ED Entered STN: 16 Nov 1984
CN Adenosine 5'-(trihydrogen diphosphate), P'→5'-ester with 1,4-dihydro-1-β-D-ribofuranosyl-3-pyridinecarboxamide (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Adenosine 5'-(trihydrogen pyrophosphate), 5'→5'-ester with 1,4-dihydro-1-β-D-ribofuranosylnicotinamide (8CI)
CN Adenosine pyrophosphate, 5'→5'-ester with 1,4-dihydro-1-β-D-ribofuranosylnicotinamide (7CI)
OTHER NAMES:
CN β-DPNH
CN β-NADH
CN 1,4-Dihydronicotinamide adenine dinucleotide
CN Codehydrase I, reduced
CN Codehydrogenase I, reduced
CN Coenzyme I, reduced
CN Cozymase I, reduced
CN Dihydrocodehydrogenase I
CN Dihydrocozymase
CN Dihydronicotinamide adenine dinucleotide
CN Dihydronicotinamide mononucleotide
CN DPNH
CN ENADA
CN NADH
CN NADH2
CN Nicotinamide-adenine dinucleotide, reduced
CN Reduced codehydrogenase I
CN Reduced diphosphopyridine nucleotide
CN Reduced nicotinamide adenine diphosphate
CN Reduced nicotinamide-adenine dinucleotide
FS STEREOSEARCH
DR 443892-10-2
MF C21 H29 N7 O14 P2
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DRUGU, EMBASE, GMELIN*, IFICDB, IFIPAT, IFIUDB, MRCK*, NIOSHTIC, PROMT, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.

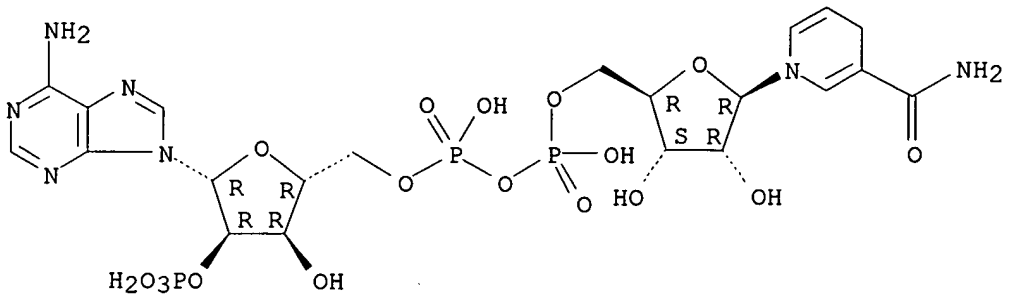


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

13555 REFERENCES IN FILE CA (1907 TO DATE)
263 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
13563 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 45 OF 45 REGISTRY COPYRIGHT 2006 ACS on STN
RN **53-57-6** REGISTRY
ED Entered STN: 16 Nov 1984
CN Adenosine 5'-(trihydrogen diphosphate), 2'-(dihydrogen phosphate), P'→5'-ester with 1,4-dihydro-1-β-D-ribofuranosyl-3-pyridinecarboxamide (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Adenosine, 2'-(dihydrogen phosphate) 5'-(trihydrogen pyrophosphate), 5'→5'-ester with 1,4-dihydro-1-β-D-ribofuranosylnicotinamide (8CI)
OTHER NAMES:
CN β-NADPH
CN β-Nicotinamide-adenine-dinucleotide-phosphoric acid
CN β-TPNH
CN 51: PN: WO2004076659 FIGURE: 7 claimed sequence
CN Codehydrase II, reduced
CN Codehydrogenase II, reduced
CN Coenzyme II, reduced
CN Cozymase II, reduced
CN Dihydrocodehydrogenase II
CN NADPH
CN NADPH2
CN Nicotinamide-adenine dinucleotide phosphate, reduced
CN Reduced codehydrogenase II
CN Reduced nicotinamide adenine dinucleotide phosphate
CN Reduced triphosphopyridine nucleotide
CN TPNH
CN Triphosphopyridine nucleotide, reduced
FS STEREOSEARCH
DR 22046-90-8, 3545-01-5
MF C21 H30 N7 O17 P3
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MRCK*, NIOSHTIC, PROMT, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**, NDSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

11178 REFERENCES IN FILE CA (1907 TO DATE)
231 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
11189 REFERENCES IN FILE CAPLUS (1907 TO DATE)
57 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	87.70	102.37

FILE 'CAPLUS' ENTERED AT 16:09:35 ON 03 JAN 2006
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FILE COVERS 1907 - 3 Jan 2006 VOL 144 ISS 2
FILE LAST UPDATED: 2 Jan 2006 (20060102/ED)

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(FILE 'HOME' ENTERED AT 16:03:45 ON 03 JAN 2006)

FILE 'CAPLUS' ENTERED AT 16:04:01 ON 03 JAN 2006
L1 1 S US 20030086933/PN
L2 20735 S RN
L3 93 S CB () 1954
L4 0 S L3 AND L2

FILE 'REGISTRY' ENTERED AT 16:05:24 ON 03 JAN 2006
L5 2902 S L2

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     FILE 'CAPLUS' ENTERED AT 16:06:06 ON 03 JAN 2006
                SEL RN L1

     FILE 'REGISTRY' ENTERED AT 16:06:28 ON 03 JAN 2006
L6            45 S E1-E45

     FILE 'CAPLUS' ENTERED AT 16:09:35 ON 03 JAN 2006

=> s l6
L7         62737 L6

=> s l7 and l3
L8            87 L7 AND L3

=> s l7 (L) l3
L9            65 L7 (L) L3

=> s NQo2
L10           73 NQO2

=> s l10 and l9
L11            5 L10 AND L9

=> d ibib 1-5

L11  ANSWER 1 OF 5  CAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         2004:301733  CAPLUS
DOCUMENT NUMBER:          141:306746
TITLE:                    Quinone reductase-mediated nitro-reduction: clinical
                          applications
AUTHOR(S):                Knox, Richard J.; Chen, Shiuan
CORPORATE SOURCE:         Enact Pharma PLC, Salisbury, SP4 0JQ, UK
SOURCE:                   Methods in Enzymology (2004), 382(Quinones and Quinone
                          Enzymes, Part B), 194-221
                          CODEN: MENZAU; ISSN: 0076-6879
PUBLISHER:                Elsevier
DOCUMENT TYPE:            Journal; General Review
LANGUAGE:                 English
REFERENCE COUNT:          92    THERE ARE 92 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11  ANSWER 2 OF 5  CAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         2003:749515  CAPLUS
DOCUMENT NUMBER:          140:121861
TITLE:                    CB 1954: From the Walker tumor to NQO2 and
                          VDEPT
AUTHOR(S):                Knox, Richard J.; Burke, Philip J.; Chen, Shiuan;
                          Kerr, David J.
CORPORATE SOURCE:         Enact Pharma PLC, Salisbury, UK
SOURCE:                   Current Pharmaceutical Design (2003), 9(26), 2091-2104
                          CODEN: CPDEFP; ISSN: 1381-6128
PUBLISHER:                Bentham Science Publishers Ltd.
DOCUMENT TYPE:            Journal; General Review
LANGUAGE:                 English
REFERENCE COUNT:          97    THERE ARE 97 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11  ANSWER 3 OF 5  CAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         2002:835107  CAPLUS
DOCUMENT NUMBER:          139:414
TITLE:                    Improved cancer treatment with enzyme technology
CORPORATE SOURCE:         Enact Pharma, Enact Pharma plc, Salisbury, SP4 0JQ, UK
SOURCE:                   sp2 (2002), 1(8), 22, 24-25
                          CODEN: SPSUCF; ISSN: 1476-184X
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PUBLISHER: Avakado Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English

L11 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:597759 CAPLUS
DOCUMENT NUMBER: 133:275962
TITLE: Bioactivation of 5-(aziridin-1-yl)-2,4-dinitrobenzamide (CB 1954) by human NAD(P)H quinone oxidoreductase 2: a novel co-substrate-mediated antitumor prodrug therapy
AUTHOR(S): Knox, Richard J.; Jenkins, Terence C.; Hobbs, Stephen M.; Chen, Shiuan; Melton, Roger G.; Burke, Philip J.
CORPORATE SOURCE: Enact Pharma Plc, Salisbury, SP4 0JQ, UK
SOURCE: Cancer Research (2000), 60(15), 4179-4186
CODEN: CNREA8; ISSN: 0008-5472
PUBLISHER: American Association for Cancer Research
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:9725 CAPLUS
DOCUMENT NUMBER: 130:76160
TITLE: NAD(P)H:quinone reductase 2- and prodrug-based therapeutic systems
INVENTOR(S): Burke, Philip John; Knox, Richard John
PATENT ASSIGNEE(S): Enzacta R & D Limited, UK
SOURCE: PCT Int. Appl., 109 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9857662	A2	19981223	WO 1998-GB1731	19980615
WO 9857662	A3	19990812		
W: CA, GB, JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2292608	AA	19981223	CA 1998-2292608	19980615
GB 2341605	A1	20000322	GB 1999-28237	19980615
GB 2341605	B2	20020220		
EP 988059	A2	20000329	EP 1998-929555	19980615
EP 988059	B1	20051207		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
GB 2365338	A1	20020220	GB 2001-26082	19980615
GB 2365338	B2	20020403		
JP 2002511754	T2	20020416	JP 1999-503953	19980615
EP 1468698	A2	20041020	EP 2004-76964	19980615
EP 1468698	A3	20050323		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
US 6867231	B1	20050315	US 2000-445865	20000211
HK 1023069	A1	20021011	HK 2000-102240	20000413
HK 1041824	A1	20021115	HK 2002-103701	20000413
US 2003086933	A1	20030508	US 2002-99830	20020313
PRIORITY APPLN. INFO.:			GB 1997-12370	A 19970614
			EP 1998-929555	A3 19980615
			GB 1999-28237	A3 19980615

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                                        WO 1998-GB1731      W  19980615
                                        US 2000-445865      A1 20000211


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L2         20735 S RN
L3            93 S CB () 1954
L4             0 S L3 AND L2

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L5          2902 S L2

     FILE 'CAPLUS' ENTERED AT 16:06:06 ON 03 JAN 2006
                SEL RN L1

     FILE 'REGISTRY' ENTERED AT 16:06:28 ON 03 JAN 2006
L6            45 S E1-E45

     FILE 'CAPLUS' ENTERED AT 16:09:35 ON 03 JAN 2006
L7         62737 S L6
L8            87 S L7 AND L3
L9            65 S L7 (L) L3
L10           73 S NQO2
L11            5 S L10 AND L9

=> s NQO1
L12         505 NQO1

=> s l12 and l9
L13           3 L12 AND L9

=> d ibib 1-3

L13  ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         2004:301733  CAPLUS
DOCUMENT NUMBER:          141:306746
TITLE:                    Quinone reductase-mediated nitro-reduction: clinical
                          applications
AUTHOR(S):                Knox, Richard J.; Chen, Shiuan
CORPORATE SOURCE:         Enact Pharma PLC, Salisbury, SP4 0JQ, UK
SOURCE:                   Methods in Enzymology (2004), 382(Quinones and Quinone
                          Enzymes, Part B), 194-221
                          CODEN: MENZAU; ISSN: 0076-6879
PUBLISHER:                Elsevier
DOCUMENT TYPE:            Journal; General Review
LANGUAGE:                 English
REFERENCE COUNT:          92    THERE ARE 92 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13  ANSWER 2 OF 3  CAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         2003:749515  CAPLUS
DOCUMENT NUMBER:          140:121861
TITLE:                    CB 1954: From the Walker tumor to NQO2 and VDEPT
AUTHOR(S):                Knox, Richard J.; Burke, Philip J.; Chen, Shiuan;
                          Kerr, David J.
CORPORATE SOURCE:         Enact Pharma PLC, Salisbury, UK
SOURCE:                   Current Pharmaceutical Design (2003), 9(26), 2091-2104
                          CODEN: CPDEFP; ISSN: 1381-6128
PUBLISHER:                Bentham Science Publishers Ltd.
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DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
REFERENCE COUNT: 97 THERE ARE 97 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:597759 CAPLUS
DOCUMENT NUMBER: 133:275962
TITLE: Bioactivation of 5-(aziridin-1-yl)-2,4-dinitrobenzamide (CB 1954) by human NAD(P)H quinone oxidoreductase 2: a novel co-substrate-mediated antitumor prodrug therapy
AUTHOR(S): Knox, Richard J.; Jenkins, Terence C.; Hobbs, Stephen M.; Chen, Shiuan; Melton, Roger G.; Burke, Philip J.
CORPORATE SOURCE: Enact Pharma Plc, Salisbury, SP4 0JQ, UK
SOURCE: Cancer Research (2000), 60(15), 4179-4186
CODEN: CNREA8; ISSN: 0008-5472
PUBLISHER: American Association for Cancer Research
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s DT () diaphorase
34025 DT
558 DTS
34532 DT
(DT OR DTS)
6506 DIAPHORASE
629 DIAPHORASES
6719 DIAPHORASE
(DIAPHORASE OR DIAPHORASES)
L14 1030 DT (W) DIAPHORASE

=> s l14 and l9
L15 21 L14 AND L9

=> s l15 not py>1997
7856621 PY>1997
L16 14 L15 NOT PY>1997

=> s l16 not py>1996
8617286 PY>1996
L17 13 L16 NOT PY>1996

=> d ibib 1-5

L17 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1995:794027 CAPLUS
DOCUMENT NUMBER: 123:275328
TITLE: Bioactivation of dinitrobenzamide mustards by an E. coli B nitroreductase
AUTHOR(S): Anlezark, G. M.; Melton, R. G.; Sherwood, R. F.; Wilson, W. R.; Denny, W. A.; Palmer, B. D.; Knox, R. J.; Friedlos, F.; Williams, A.
CORPORATE SOURCE: Cent. Appl. Microbiol. Res., Porton Down/Salisbury/Wilts., SP4 0JG, UK
SOURCE: Biochemical Pharmacology (1995), 50(5), 609-18
CODEN: BCPCA6; ISSN: 0006-2952
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English

L17 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1995:569763 CAPLUS
DOCUMENT NUMBER: 123:106083
TITLE: Catalytic properties of NAD(P)H:quinone acceptor oxidoreductase: study involving mouse, rat, human, and mouse-rat chimeric enzymes
AUTHOR(S): Chen, Shiuan; Knox, Richard; Lewis, Alexander D.; Friedlos, Frank; Workman, Paul; Deng, Paulis S. K.; Fung, Maisie; Ebenstein, Donna; Wu, Kebin; Tsai, Ta-Ming
CORPORATE SOURCE: Div. Immunol., Beckman Res. Inst. City Hope, Duarte, CA, 91010, USA
SOURCE: Molecular Pharmacology (1995), 47(5), 934-9
CODEN: MOPMA3; ISSN: 0026-895X
PUBLISHER: Williams & Wilkins
DOCUMENT TYPE: Journal
LANGUAGE: English

L17 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1994:44858 CAPLUS
DOCUMENT NUMBER: 120:44858
TITLE: The bioactivation of CB 1954 and its use as a prodrug in antibody-directed enzyme prodrug therapy (ADEPT)
AUTHOR(S): Knox, Richard J.; Friedlos, Frank; Boland, Marion P.
CORPORATE SOURCE: Sec. Drug Dev., Inst. Cancer Res., Sulton/Surrey, SM2 5NG, UK
SOURCE: Cancer and Metastasis Reviews (1993), 12(2), 195-212
CODEN: CMRED4; ISSN: 0167-7659
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English

L17 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1993:73228 CAPLUS
DOCUMENT NUMBER: 118:73228
TITLE: Potentiation of CB 1954 cytotoxicity by reduced pyridine nucleotides in human tumor cells by stimulation of **DT diaphorase** activity
AUTHOR(S): Friedlos, Frank; Biggs, Patrick J.; Abrahamson, Julie A.; Knox, Richard J.
CORPORATE SOURCE: Sect. Drug Dev., Inst. Cancer Res., Sutton/Surrey, SM2 5NG, UK
SOURCE: Biochemical Pharmacology (1992), 44(9), 1739-43
CODEN: BCPCA6; ISSN: 0006-2952
DOCUMENT TYPE: Journal
LANGUAGE: English

L17 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1992:598410 CAPLUS
DOCUMENT NUMBER: 117:198410
TITLE: Metabolism of NAD(P)H by blood components. Relevance to bioreductively activated prodrugs in a targeted enzyme therapy system
AUTHOR(S): Friedlos, Frank; Knox, Richard J.
CORPORATE SOURCE: Sect. Drug Dev., Inst. Cancer Res., Sutton/Surrey, SM2 5NG, UK
SOURCE: Biochemical Pharmacology (1992), 44(4), 631-5
CODEN: BCPCA6; ISSN: 0006-2952
DOCUMENT TYPE: Journal
LANGUAGE: English

=> d kwic 2

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L17  ANSWER 2 OF 13  CAPLUS  COPYRIGHT 2006 ACS on STN
AB   NAD(P)H:quinone acceptor oxidoreductase (quinone reductase) (DT-
     diaphorase, EC 1.6.99.2) is involved in the process of reductive
     activation of cytotoxic antitumor quinones and nitrobenzenes.  This study
     initially examined.  .  .
IT   21919-05-1, CB 1954  114560-48-4, EO9
     RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL
     (Biological study); PROC (Process)
        (catalytic properties of NAD(P)H:quinone acceptor oxidoreductase: study
        involving mouse, rat, human, and mouse-rat chimeric enzymes)


=> s 21919-05-1/rn
           169 21919-05-1
             5 21919-05-1D
L18        167 21919-05-1/RN
                 (21919-05-1 (NOTL) 21919-05-1D )

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     FILE 'CAPLUS' ENTERED AT 16:04:01 ON 03 JAN 2006
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L2       20735 S RN
L3          93 S CB () 1954
L4           0 S L3 AND L2

     FILE 'REGISTRY' ENTERED AT 16:05:24 ON 03 JAN 2006
L5        2902 S L2

     FILE 'CAPLUS' ENTERED AT 16:06:06 ON 03 JAN 2006
               SEL RN L1

     FILE 'REGISTRY' ENTERED AT 16:06:28 ON 03 JAN 2006
L6          45 S E1-E45

     FILE 'CAPLUS' ENTERED AT 16:09:35 ON 03 JAN 2006
L7       62737 S L6
L8          87 S L7 AND L3
L9          65 S L7 (L) L3
L10         73 S NQO2
L11          5 S L10 AND L9
L12        505 S NQO1
L13          3 S L12 AND L9
L14       1030 S DT () DIAPHORASE
L15         21 S L14 AND L9
L16         14 S L15 NOT PY>1997
L17         13 S L16 NOT PY>1996
L18        167 S 21919-05-1/RN

=> d kwic 4

L18  ANSWER 4 OF 167  CAPLUS  COPYRIGHT 2006 ACS on STN
IT   51-21-8, 5-FU 21919-05-1, CB1954  23214-92-8, Doxorubicin
     33069-62-4, Paclitaxel  123948-87-8, Topotecan
     RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
     (Biological study); USES (Uses)
        (inhibition of NF-κB enhances the cytotoxicity of virus-directed
        enzyme prodrug therapy and oncolytic adenovirus cancer gene therapy)


=> d ibib 6-10
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L18 ANSWER 6 OF 167 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:465003 CAPLUS
DOCUMENT NUMBER: 143:159026
TITLE: Nitroarylmethylcarbamate prodrugs of doxorubicin for use with nitroreductase gene-directed enzyme prodrug therapy
AUTHOR(S): Hay, Michael P.; Wilson, William R.; Denny, William A.
CORPORATE SOURCE: Auckland Cancer Society Research Centre, Faculty of Medical and Health Sciences, The University of Auckland, Auckland, 92019, N. Z.
SOURCE: Bioorganic & Medicinal Chemistry (2005), 13(12), 4043-4055
CODEN: BMECEP; ISSN: 0968-0896
PUBLISHER: Elsevier Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 58 THERE ARE 58 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 7 OF 167 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:1050014 CAPLUS
DOCUMENT NUMBER: 142:253968
TITLE: The gene suicide system NTR/CB1954 causes ablation of differentiated 3T3L1 adipocytes by apoptosis
AUTHOR(S): Felmer, Ricardo N.; Clark, John A.
CORPORATE SOURCE: Department of Gene Expression and Development, Roslin Institute, Roslin, Midlothian, EH25 9PS, UK
SOURCE: Biological Research (2004), 37(3), 449-460
CODEN: BESEEB; ISSN: 0716-9760
PUBLISHER: Society of Biology of Chile
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 8 OF 167 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:1040532 CAPLUS
DOCUMENT NUMBER: 142:253408
TITLE: Nitroreductase: A prodrug-activating enzyme for cancer gene therapy
AUTHOR(S): Searle, Peter F.; Chen, Ming-Jen; Hu, Longqin; Race, Paul R.; Lovering, Andrew L.; Grove, Jane I.; Guise, Chris; Jaberipour, Mansooreh; James, Nicholas D.; Mautner, Vivien; Young, Lawrence S.; Kerr, David J.; Mountain, Andrew; White, Scott A.; Hyde, Eva I.
CORPORATE SOURCE: Cancer Research UK Institute for Cancer Studies, University of Birmingham, Edgbaston, UK
SOURCE: Clinical and Experimental Pharmacology and Physiology (2004), 31(11), 811-816
CODEN: CEXPB9; ISSN: 0305-1870
PUBLISHER: Blackwell Publishing Asia Pty Ltd.
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
REFERENCE COUNT: 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 9 OF 167 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:965067 CAPLUS
DOCUMENT NUMBER: 141:406039
TITLE: Combinations for the treatment of diseases involving cell proliferation, migration or apoptosis of myeloma cells, or angiogenesis
INVENTOR(S): Hilberg, Frank; Solca, Flavio; Stefanic, Martin Friedrich; Baum, Anke; Munzert, Gerd; Van Meel,

Jacobus C. A.
PATENT ASSIGNEE(S): Boehringer Ingelheim International G.m.b.H., Germany; Boehringer Ingelheim Pharma G.m.b.H. & Co. K.-G.
SOURCE: PCT Int. Appl., 101 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004096224	A2	20041111	WO 2004-EP4363	20040424
WO 2004096224	A3	20041216		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1473043	A1	20041103	EP 2003-9587	20030429
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				

PRIORITY APPLN. INFO.:
EP 2003-9587 A 20030429
EP 2004-508 A 20040113
EP 2004-1171 A 20040121

L18 ANSWER 10 OF 167 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:941577 CAPLUS
DOCUMENT NUMBER: 142:253791
TITLE: Virus-directed enzyme prodrug therapy: intratumoral administration of a replication-deficient adenovirus encoding nitroreductase to patients with resectable liver cancer
AUTHOR(S): Palmer, Daniel H.; Mautner, Vivien; Mirza, Darius; Oliff, Simon; Gerritsen, Winald; van der Sijp, Joost R. M.; Hubscher, Stefan; Reynolds, Gary; Bonney, Sarah; Rajaratnam, Ratna; Hull, Diana; Horne, Mark; Ellis, John; Mountain, Andrew; Hill, Simon; Harris, Peter A.; Searle, Peter F.; Young, Lawrence S.; James, Nicholas D.; Kerr, David J.
CORPORATE SOURCE: Cancer Research UK Institute for Cancer Studies, Department of Pathology and Liver Research Laboratories, University of Birmingham, Edgbaston, Birmingham, UK
SOURCE: Journal of Clinical Oncology (2004), 22(9), 1546-1552
CODEN: JCONDN; ISSN: 0732-183X
PUBLISHER: American Society of Clinical Oncology
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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FILE 'CAPLUS' ENTERED AT 16:04:01 ON 03 JAN 2006

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L1            1 S US 20030086933/PN
L2        20735 S RN
L3           93 S CB () 1954
L4            0 S L3 AND L2

     FILE 'REGISTRY' ENTERED AT 16:05:24 ON 03 JAN 2006
L5         2902 S L2

     FILE 'CAPLUS' ENTERED AT 16:06:06 ON 03 JAN 2006
                SEL RN L1

     FILE 'REGISTRY' ENTERED AT 16:06:28 ON 03 JAN 2006
L6           45 S E1-E45

     FILE 'CAPLUS' ENTERED AT 16:09:35 ON 03 JAN 2006
L7         62737 S L6
L8            87 S L7 AND L3
L9            65 S L7 (L) L3
L10           73 S NQO2
L11            5 S L10 AND L9
L12          505 S NQO1
L13            3 S L12 AND L9
L14         1030 S DT () DIAPHORASE
L15           21 S L14 AND L9
L16           14 S L15 NOT PY>1997
L17           13 S L16 NOT PY>1996
L18          167 S 21919-05-1/RN

=> d l17 ibib kwic 4

L17  ANSWER 4 OF 13  CAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         1993:73228  CAPLUS
DOCUMENT NUMBER:          118:73228
TITLE:                    Potentiation of CB 1954 cytotoxicity by reduced
                          pyridine nucleotides in human tumor cells by
                          stimulation of DT diaphorase
                          activity
AUTHOR(S):                Friedlos, Frank; Biggs, Patrick J.; Abrahamson, Julie
                          A.; Knox, Richard J.
CORPORATE SOURCE:         Sect. Drug Dev., Inst. Cancer Res., Sutton/Surrey, SM2
                          5NG, UK
SOURCE:                   Biochemical Pharmacology (1992), 44(9), 1739-43
                          CODEN: BCPCA6; ISSN: 0006-2952
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
TI   Potentiation of CB 1954 cytotoxicity by reduced pyridine nucleotides in
     human tumor cells by stimulation of DT diaphorase
     activity
AB   The toxicity of CB 1954 [5-(aziridin-1-yl)-2,4-dinitrobenzamide] towards
     human cells was greatly enhanced by NADH (when fetal calf serum was
     present in the culture medium) and by nicotinamide riboside (reduced)
     (NRH), but not by nicotinate riboside (reduced).  Co-treatment of human
     cells with CB 1954 and NADH resulted in the formation of crosslinks in
     their DNA.  The toxicity produced by other DNA crosslinking agents was
     unaffected by reduced nicotinamide compds.  When caffeine was included in
     the medium, a reduction in the cytotoxicity of CB 1954 occurred.  The toxicity
     experienced by human cell lines after exposure to CB 1954 and NADH was
     proportional to their levels of the enzyme DT diaphorase
     [NAD(P)H dehydrogenase (quinone), (EC 1.6.99.2.)].  It is concluded that
     NRH, which the authors have shown to be a co-factor for rat DT
     diaphorase (Friedlos et al., Biochem Pharmacol 44; 25-31, 1992),
     is generated from NADH by enzymes in fetal calf serum, and stimulates the
     activity of human DT diaphorase towards CB 1954.
ST   CB 1954 cytotoxicity reduced pyridine nucleotide; DT
```

diaphorase CB 1954 cytotoxicity NADH
IT **58-68-4**, NADH 110-86-1D, Pyridine, reduced nucleotides
1341-23-7 17720-18-2
RL: BIOL (Biological study)
(cytotoxicity of **CB 1954** potentiation by,
DT diaphorase stimulation in, in human cells)
IT **21919-05-1, CB 1954**
RL: PRP (Properties)
(cytotoxicity of, reduced pyridine nucleotides enhancement of,
DT diaphorase stimulation in, in human cells)

=> d l17 kwic 1-13

L17 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
AB . . . terms of ADEPT, SN 23862 has a potential advantage over CB 1954 in that it is not reduced by mammalian **DT diaphorases.** Therefore, a series of compds. related to SN 23862 has been synthesized, and evaluated as potential prodrugs both by determination. . . cytotoxicity in
presence of enzyme and cofactor were not substrates for the enzyme. None of the analogs were activated by **DT diaphorase** isolated from Walter 256 carcinoma cells. For those compds. which were substrates for the E. coli nitroreductase, there was a. . .
IT 50-07-7, Mitomycin C 443-48-1, Metronidazole 4533-39-5, Nitracrine
13551-87-6, Misonidazole 20063-73-4, Nitracrine N-oxide
21919-05-1, CB 1954 27314-97-2, Tirapazamine
55743-71-0, SN 23163 136990-96-0, SN 24771 142439-52-9, SN 23428
142439-53-0, SN 23759 142439-56-3, SN 23849 142439-57-4, SN 23777
142439-61-0, SN 23862 142439-62-1, SN 23856 142439-63-2, SN 23816
150271-87-7, SN 24927 150271-88-8, SN 24928 150271-89-9, SN 24926
150271-91-3, SN 24939 150271-92-4, SN 24935 150271-93-5, SN 25015
150271-94-6, SN 24971 150271-95-7, SN 25066 150271-96-8, SN 25079
150271-98-0, SN 25263 150271-99-1, SN 25260 150272-00-7, SN 25261
150272-01-8, SN 25313 150272-02-9, SN 25084 150272-03-0, SN 25188
150503-17-6, SN 25246 156423-03-9, SN 25293 169527-43-9, SN 25402
169527-44-0, SN 25507
RL: BAC (Biological activity or effector, except adverse); BPR (Biological process); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(bioactivation of dinitrobenzamide mustards by E. coli B nitroreductase)

L17 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
AB NAD(P)H:quinone acceptor oxidoreductase (quinone reductase) (**DT-diaphorase**, EC 1.6.99.2) is involved in the process of reductive activation of cytotoxic antitumor quinones and nitrobenzenes. This study initially examined. . .
IT **21919-05-1, CB 1954** 114560-48-4, EO9
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(catalytic properties of NAD(P)H:quinone acceptor oxidoreductase: study involving mouse, rat, human, and mouse-rat chimeric enzymes)

L17 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
AB . . . in insensitive cells. Crosslink formation is due to the aerobic reduction of CB 1954 to form 5-(aziridin-1-yl)-4-hydroxylamino-2-nitrobenzamide by the enzyme **DT diaphorase**. The 4-hydroxylamine can not crosslink DNA directly but requires further activation by a non-enzymic reaction with a thioester (such as acetyle CoA). As predicted from their measured **DT diaphorase** activities, a number of rat hepatoma and hepatocyte cell lines are also sensitive to CB 1954. However, no CB 1954-sensitive. . . human origin have been found. This is because the rate of reduction of CB 1954 by the

human form of **DT diaphorase** is much lower than that of the Walker enzyme (ratio of Kcat = 6.4). To overcome this intrinsic resistance of. . . (ADEPT). A nitroreductase enzyme has been isolated from E. coli that can bioactivate CB 1954 much more rapidly than Walker **DT diaphorase** and is very suitable for ADEPT. Thus CB 1954 may have a role in the therapy of human tumors.

IT **21919-05-1, CB 1954**
RL: BIOL (Biological study)
(bioactivation of and use in antibody-directed enzyme prodrug therapy)

L17 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI Potentiation of CB 1954 cytotoxicity by reduced pyridine nucleotides in human tumor cells by stimulation of **DT diaphorase** activity
AB . . . experienced by human cell lines after exposure to CB 1954 and NADH was proportional to their levels of the enzyme **DT diaphorase** [NAD(P)H dehydrogenase (quinone), (EC 1.6.99.2.)]. It is concluded that NRH, which the authors have shown to be a co-factor for rat **DT diaphorase** (Friedlos et al., Biochem Pharmacol 44; 25-31, 1992), is generated from NADH by enzymes in fetal calf serum, and stimulates the activity of human **DT diaphorase** towards CB 1954.
ST CB 1954 cytotoxicity reduced pyridine nucleotide; **DT diaphorase** CB 1954 cytotoxicity NADH
IT **58-68-4**, NADH 110-86-1D, Pyridine, reduced nucleotides 1341-23-7 17720-18-2
RL: BIOL (Biological study)
(cytotoxicity of **CB 1954** potentiation by, **DT diaphorase** stimulation in, in human cells)
IT **21919-05-1, CB 1954**
RL: PRP (Properties)
(cytotoxicity of, reduced pyridine nucleotides enhancement of, **DT diaphorase** stimulation in, in human cells)

L17 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
AB . . . from human, fetal calf and horse sources was capable of driving the bioreductive activation of CB 1954 by the enzyme **DT diaphorase**. Cell surfaces oxidized NADH or NRH. These observations suggest that NAD(P)H would be unsuitable as a source of reducing equivalent. . .
IT **21919-05-1, CB 1954**
RL: BIOL (Biological study)
(prodrug, bioreductive activation of, NADPH suitability for)

L17 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
IT Alkylating agents, biological
Cytotoxic agents
(CB 1954, DNA adducts and crosslinking by, in Walker 256 tumor cells, **DT diaphorase** bioactivation in relation to)
IT Deoxyribonucleic acids
RL: RCT (Reactant); RACT (Reactant or reagent)
(crosslinking of, with CB 1954, in Walker 256 tumor cells, **DT diaphorase** bioactivation and cytotoxic activity in relation to)
IT Animal cell line
(Walker carcinosarcoma, CB 1954 bioactivation by **DT diaphorase** in, cytotoxic activity and DNA adduct formation and crosslinking in relation to)
IT Deoxyribonucleic acids
RL: BIOL (Biological study)
(adducts, with CB 1954, in Walker 256 tumor cells, **DT diaphorase** bioactivation and cytotoxicity in relation to)
IT Pharmaceutical dosage forms
(prodrugs, CB 1954 as, in Walker 256 tumor cells, **DT diaphorase** activation and cytotoxic activity in relation to)

IT **21919-05-1, CB 1954**
RL: BIOL (Biological study)
(DNA adduct and interstrand crosslink formation, in Walker 256 cells, **DT diaphorase** bioactivation and cytotoxicity in relation to)

L17 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI The differences in kinetics of rat and human **DT diaphorase** result in a differential sensitivity of derived cell lines to CB 1954 (5-(aziridin-1-yl)-2,4-dinitrobenzamide) [Erratum to document cited in CA115(1):332c].
ST Erratum aziridinyldinitrobenzamide tumor sensitivity **DT diaphorase**
IT Neoplasm inhibitors
((aziridinyl)dinitrobenzamide as, tumor sensitivity to, in humans and laboratory animals, **DT diaphorase** kinetics in relation to (Erratum))
IT **119643-82-2**
RL: FORM (Formation, nonpreparative)
(formation of, from **CB 1954, DT diaphorase** of humans and laboratory animals induction of (Erratum))
IT 21919-05-1
RL: BIOL (Biological study)
(tumor sensitivity to, of humans and laboratory animals, **DT diaphorase** kinetics in relation to (Erratum))

L17 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
AB . . . the active form of CB 1954 (5-(aziridin-1-yl)-2,4-dinitrobenzamide). This hydroxylamine is formed by the bioredn. of CB 1954 by the enzyme **DT diaphorase** and accounts for the highly selective cytotoxicity of this compound The reason why the hydroxylamine derivative is so cytotoxic is. . .
IT 9032-20-6, **DT Diaphorase**
RL: BIOL (Biological study)
(CB 1954 bioactivation by, DNA interstrand crosslinking from, thioesters in, cytotoxicity in relation to)
IT **21919-05-1, CB 1954**
RL: BIOL (Biological study)
(bioactivation of, DNA-DNA interstrand crosslinking in, thioesters in)
IT **119643-82-2**
RL: BIOL (Biological study)
(reaction with DNA of, as **CB 1954** metabolite, thioesters effect on, cytotoxicity in relation to)

L17 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
AB . . . cells defective or proficient in excision repair or repair of double strand breaks and/or with normal or reduced levels of **DT-diaphorase** activity is reported to investigate the toxicity of a variety of bioreductive agents under both aerobic and hypoxic conditions. The. . . for any one agent, may differ markedly under aerobic and hypoxic conditions. The studies also show that while the enzyme **DT-diaphorase** plays a major role in determining mitomycin C (MM-C) toxicity under aerobic conditions, this is not true for hypoxic conditions.. . .
IT 9032-20-6, **DT-diaphorase**
RL: BIOL (Biological study)
(Chinese hamster cell mutants deficient in, bioreductive agents effect on)
IT **21919-05-1, CB-1954** 27314-97-2, SR-4233
88876-88-4, RSU-1069
RL: BIOL (Biological study)
(DNA repair- and reduction-deficient Chinese hamster cell mutants response to)

L17 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI The differences in kinetics of rat and human **DT diaphorase** result in a differential sensitivity of derived cell lines to CB 1954 (5-(aziridin-1-yl)-2,4-dinitrobenzamide)
AB **DT diaphorase** (NAD(P)H dehydrogenase (quinone), EC 1.6.99.2) isolated from Walker 256 rat carcinoma cells can convert CB 1954 to a cytotoxic DNA. . . CB 1954 when compared with other cells which are unable to carry out this reduction As predicted from their measured **DT diaphorase** activities a number of rat hepatoma and hepatocyte cell lines were also shown to be sensitive to CB 1954. However, no CB 1954-sensitive cell lines of human origin were found, although levels of **DT diaphorase** similar to those in the sensitive rat cells were present in these cells. The human cells were as sensitive as rat cells to the active form of CB 1954 (5-(aziridin-1-yl)-4-hydroxylamino-2-nitrobenzamide). **DT diaphorase**, purified to homogeneity from human Hep G2 cells, did metabolize CB 1954 to this 4-hydroxylamino product, but the rate of. . . 6.4). In addition, CB 1954 could be considered an inhibitor of, rather than a substrate for, the human form of **DT diaphorase**. The purified rat and human **DT diaphorases** possessed otherwise similar biochem. and mol. properties. These findings explain the decreased sensitivity towards CB 1954 of human cell lines. . .
ST aziridinyldinitrobenzamide tumor sensitivity **DT diaphorase** kinetics
IT Neoplasm inhibitors
((aziridinyl)dinitrobenzamide as, tumor sensitivity to, in humans and laboratory animals, **DT diaphorase** kinetics in relation to)
IT **119643-82-2**
RL: FORM (Formation, nonpreparative)
(formation of, from **CB 1954, DT diaphorase** of humans and laboratory animals induction of)
IT **21919-05-1, CB 1954**
RL: BIOL (Biological study)
(tumor sensitivity to, of humans and laboratory animals, **DT diaphorase** kinetics in relation to)

L17 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI Caffeine, aminoimidazolecarboxamide and dicoumarol, inhibitors of NAD(P)H dehydrogenase (quinone) (**DT diaphorase**), prevent both the cytotoxicity and DNA interstrand crosslinking produced by 5-(aziridin-1-yl)-2,4-dinitrobenzamide (CB 1954) in Walker cells
IT **21919-05-1, CB 1954**
RL: BIOL (Biological study)
(neoplasm inhibition by and DNA crosslinking from, NAD(P)H dehydrogenase inhibition in relation to)

L17 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
AB . . . as estimated by SDS-polyacrylamide gel electrophoresis, was isolated from Walker cells and identified as a form of NAD(P)H dehydrogenase (quinone) (**DT diaphorase**, EC 1.6.99.2). This enzyme, in the presence of NADH or NADPH, catalyzed the aerobic reduction of CB 1954 to 5-(aziridin-1-yl)-4-hydroxylamino-2-nitrobenzamide.. . .
IT **119643-82-2**
RL: FORM (Formation, nonpreparative)
(formation of, as **CB 1954** antitumor metabolite)
IT **21919-05-1, CB 1954**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(neoplasm inhibition by, DNA crosslinking by metabolite in)

L17 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
AB . . . of its 4-nitro group to the corresponding hydroxylamino species.

The enzyme was identified as a form of NAD(P)H dehydrogenase (quinone) (**DT diaphorase**, menadione reductase (NMOR), phylloquinone reductase, quinone reductase, EC 1.6.99.2) by comparison of partial protein sequences, coenzymes, substrate and inhibitor specificities,. .
.

IT **21919-05-1, CB 1954**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(neoplasm inhibition by, NADPH dehydrogenase activation of)

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	71.86	174.23

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

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DICTIONARY FILE UPDATES: 2 JAN 2006 HIGHEST RN 870976-29-7

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* The CA roles and document type information have been removed from *
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http://www.cas.org/ONLINE/UG/regprops.html

=> S 1341-23-7/RN

L19 1 1341-23-7/RN

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=> D L19 SQIDE 1-

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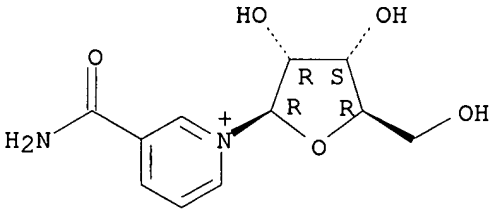
THE ESTIMATED COST FOR THIS REQUEST IS 6.36 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L19 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
RN **1341-23-7** REGISTRY
CN Pyridinium, 3-(aminocarbonyl)-1-β-D-ribofuranosyl- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Pyridinium, 3-carbamoyl-1-β-D-ribofuranosyl- (8CI)
OTHER NAMES:
CN 3-Pyridinecarboxamide, 1-β-D-ribosyl-
CN Nicotinamide ribonucleoside
CN Nicotinamide ribose
CN Nicotinamide riboside
CN Ribosylnicotinamide
FS STEREOSEARCH
DR 19131-72-7, 20299-13-2
MF C11 H15 N2 O5
CI COM
LC STN Files: AGRICOLA, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, EMBASE, MEDLINE, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)
DT.CA CAplus document type: Conference; Journal; Patent; Report
RL.P Roles from patents: BIOL (Biological study); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent)

Absolute stereochemistry.



74 REFERENCES IN FILE CA (1907 TO DATE)
4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
74 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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NOTICE SET TO OFF FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=>

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=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.78	177.01

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CA SUBSCRIBER PRICE	0.00	-9.00

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NEWS 5	OCT 04	CA/CAplus-Canadian Intellectual Property Office (CIPO) added to core patent offices
NEWS 6	OCT 13	New CAS Information Use Policies Effective October 17, 2005
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NEWS 12	NOV 30	REGISTRY/ZREGISTRY on STN(R) enhanced with experimental spectral property data
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NEWS 15	DEC 14	2006 MeSH terms loaded for MEDLINE file segment of TOXCENTER
NEWS 16	DEC 14	CA/CAplus to be enhanced with updated IPC codes
NEWS 17	DEC 16	MARPATprev will be removed from STN on December 31, 2005
NEWS 18	DEC 21	IPC search and display fields enhanced in CA/CAplus with the IPC reform
NEWS 19	DEC 23	New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/USPAT2

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FULL ESTIMATED COST	0.06	0.27

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```
=> s reptil?
L1         4453 REPTIL?

=> s cancer? or tumor? or neoplas?
          279751 CANCER?
          413585 TUMOR?
          434430 NEOPLAS?
L2        684933 CANCER? OR TUMOR? OR NEOPLAS?

=> s l2 (l) l1
L3            40 L2 (L) L1

=> s l3 and serum
          539633 SERUM
           16746 SERUMS
           45550 SERA
               9 SERAS
          563711 SERUM
                    (SERUM OR SERUMS OR SERA OR SERAS)
L4             8 L3 AND SERUM

=> d ibib 1-4

L4   ANSWER 1 OF 8  CAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         2005:1001845  CAPLUS
DOCUMENT NUMBER:          143:263083
TITLE:                    Supersensitive immunoassays for diagnosing cancer and
                          other diseases
INVENTOR(S):              Drukier, Andrzej K.
PATENT ASSIGNEE(S):       USA
SOURCE:                   PCT Int. Appl., 121 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.         DATE
     ---------------      ----   --------    --------------------    --------
     WO 2005084283         A2    20050915    WO 2005-US6472          20050301
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM,
             SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
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AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2005272110	A1	20051208	US 2005-65347		20050225
PRIORITY APPLN. INFO.:			US 2004-548186P	P	20040301
			US 2005-65347	A	20050225

L4 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2003:937823 CAPLUS
DOCUMENT NUMBER: 140:193175
TITLE: AMH/MIS: what we know already about the gene, the protein and its regulation
AUTHOR(S): Rey, Rodolfo; Lukas-Croisier, Celine; Lasala, Celina; Bedecarras, Patricia
CORPORATE SOURCE: Centro de Investigaciones Endocrinologicas, Hospital de Ninos R. Gutierrez, Buenos Aires, Argent.
SOURCE: Molecular and Cellular Endocrinology (2003), 211(1-2), 21-31
CODEN: MCEND6; ISSN: 0303-7207
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
REFERENCE COUNT: 128 THERE ARE 128 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2003:76544 CAPLUS
DOCUMENT NUMBER: 138:112401
TITLE: Antitumor activity from alligator **serum**
INVENTOR(S): Binah, Ofer; Ciechanover, Aaron; Maor, Gila
PATENT ASSIGNEE(S): Natural Cure Ltd., Israel
SOURCE: PCT Int. Appl., 56 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2003007874	A2	20030130	WO 2002-IL590		20020718
WO 2003007874	A3	20040318			
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
CA 2454345	AA	20030130	CA 2002-2454345		20020718
EP 1435981	A2	20040714	EP 2002-751590		20020718
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK					
US 2004247589	A1	20041209	US 2004-761528		20040120
PRIORITY APPLN. INFO.:			IL 2001-144447	A	20010719
			WO 2002-IL590	W	20020718

L4 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1998:354512 CAPLUS

DOCUMENT NUMBER: 129:26318
TITLE: Comparison of the growth promoting effects of **serum** transferrins from different animals on mouse mammary tumor cell line GR2H6
AUTHOR(S): Shi, Min; Jing, Nai-He; Feng, You-Min
CORPORATE SOURCE: Shanghai Institute of Biochemistry, Chinese Academy of Sciences, Shanghai, 200031, Peop. Rep. China
SOURCE: Shengwu Huaxue Yu Shengwu Wuli Xuebao (1998), 30(1), 101-103
CODEN: SHWPAU; ISSN: 0582-9879
PUBLISHER: Shanghai Kexue Jishu Chubanshe
DOCUMENT TYPE: Journal
LANGUAGE: Chinese

=> d ibib 5-8

L4 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1996:59301 CAPLUS
DOCUMENT NUMBER: 124:109133
TITLE: Universal assay of vitellogenin as a biomarker for environmental estrogens
AUTHOR(S): Heppell, Scott A.; Denslow, Nancy D.; Folmar, Leroy C.; Sullivan, Craig V.
CORPORATE SOURCE: Department Zoology, North Carolina State University, Raleigh, NC, 27695, USA
SOURCE: Environmental Health Perspectives Supplements (1995), 103(Suppl. 7), 9-15
CODEN: EHPSEO; ISSN: 1078-0475
PUBLISHER: National Institute of Environmental Health Sciences
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1973:69615 CAPLUS
DOCUMENT NUMBER: 78:69615
TITLE: Parallel determinations of FDP [fibrinogen degradation product] and fibrin monomers with various methods
AUTHOR(S): Hedner, U.; Nilsson, I. M.
CORPORATE SOURCE: Coagulation Lab., Allmanna Sjukhuset, Malmo, Swed.
SOURCE: Thrombosis et Diathesis Haemorrhagica (1972), 28(2), 268-79
CODEN: TDHAAT; ISSN: 0340-5338
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1966:432692 CAPLUS
DOCUMENT NUMBER: 65:32692
ORIGINAL REFERENCE NO.: 65:6101e-h,6102a
TITLE: Modification of the electrokinetic response of blood platelets to aggregating agents
AUTHOR(S): Hampton, J. R.; Mitchell, J. R. A.
CORPORATE SOURCE: Radcliffe Infirmary Oxford, UK
SOURCE: Nature (London, United Kingdom) (1966), 210(5040), 1000-2
CODEN: NATUAS; ISSN: 0028-0836
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1938:60634 CAPLUS
DOCUMENT NUMBER: 32:60634
ORIGINAL REFERENCE NO.: 32:8526c-h

TITLE: Comparative physiology of the vertebrate hypophysis (anterior and intermediate lobes)
AUTHOR(S): Witschi, Emil
SOURCE: Cold Spring Harbor Symposia on Quantitative Biology (1937), 5, 180-90
CODEN: CSHSAZ; ISSN: 0091-7451
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

=>

---Logging off of STN---

=>
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	20.25	20.73

STN INTERNATIONAL LOGOFF AT 15:24:37 ON 06 JAN 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	JAN 17	Pre-1988 INPI data added to MARPAT
NEWS 4	FEB 21	STN AnaVist, Version 1.1, lets you share your STN AnaVist visualization results
NEWS 5	FEB 22	The IPC thesaurus added to additional patent databases on STN
NEWS 6	FEB 22	Updates in EPFULL; IPC 8 enhancements added
NEWS 7	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS 8	MAR 03	Updates in PATDPA; addition of IPC 8 data without attributes
NEWS 9	MAR 22	EMBASE is now updated on a daily basis
NEWS 10	APR 03	New IPC 8 fields and IPC thesaurus added to PATDPAFULL
NEWS 11	APR 03	Bibliographic data updates resume; new IPC 8 fields and IPC thesaurus added in PCTFULL
NEWS 12	APR 04	STN AnaVist $500 visualization usage credit offered
NEWS 13	APR 12	LINSPEC, learning database for INSPEC, reloaded and enhanced
NEWS 14	APR 12	Improved structure highlighting in FQHIT and QHIT display in MARPAT
NEWS 15	APR 12	Derwent World Patents Index to be reloaded and enhanced during second quarter; strategies may be affected

```
 NEWS 16  MAY 10  CA/CAplus enhanced with 1900-1906 U.S. patent records
 NEWS 17  MAY 11  KOREAPAT updates resume
 NEWS 18  MAY 19  Derwent World Patents Index to be reloaded and enhanced
 NEWS 19  MAY 30  IPC 8 Rolled-up Core codes added to CA/CAplus and
                  USPATFULL/USPAT2
 NEWS 20  MAY 30  The F-Term thesaurus is now available in CA/CAplus
 NEWS 21  JUN 02  The first reclassification of IPC codes now complete in
                  INPADOC

 NEWS EXPRESS     FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,
                  CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
                  AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
                  V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT
                  http://download.cas.org/express/v8.0-Discover/

 NEWS HOURS     STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN     Welcome Banner and News Items
 NEWS IPC8      For general information regarding STN implementation of IPC 8
 NEWS X25       X.25 communication option no longer available after June 2006

Enter NEWS followed by the item number or name to see news on that
specific topic.

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  result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 12:43:29 ON 14 JUN 2006

=>

Uploading
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Do you want to switch to the Registry File?
Choice (Y/n):
Switching to the Registry File...
Some commands only work in certain files.  For example, the EXPAND
command can only be used to look at the index in a file which has an
index.  Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of
commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.21       0.21

FILE 'REGISTRY' ENTERED AT 12:44:03 ON 14 JUN 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   13 JUN 2006  HIGHEST RN 887650-39-7
DICTIONARY FILE UPDATES:  13 JUN 2006  HIGHEST RN 887650-39-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.
```

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

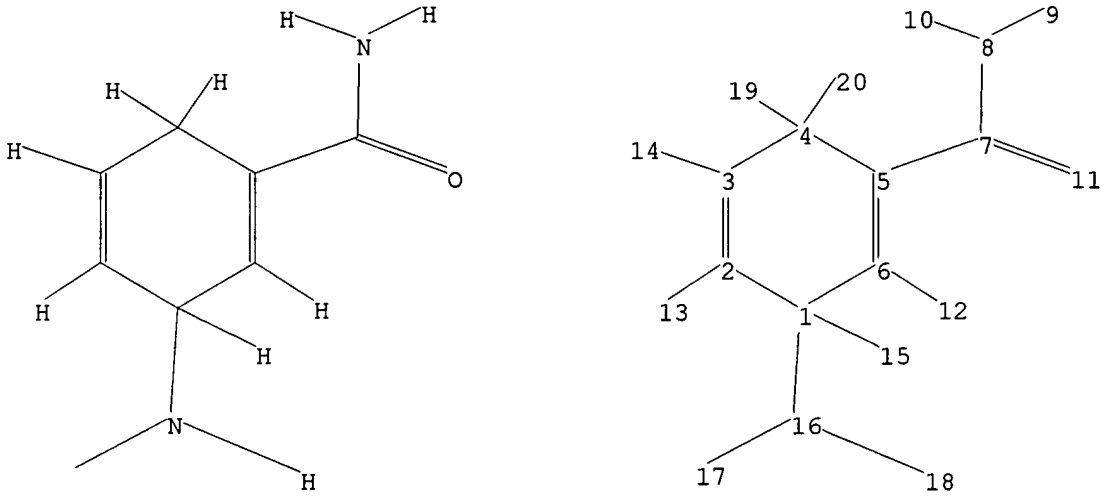
****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
****

Structure search iteration limits have been increased. See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\10099830.str



chain nodes :
7 8 9 10 11 12 13 14 15 16 17 18 19 20
ring nodes :
1 2 3 4 5 6
chain bonds :
1-15 1-16 2-13 3-14 4-19 4-20 5-7 6-12 7-8 7-11 8-9 8-10 16-17 16-18
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
1-2 1-6 1-16 2-3 3-4 4-5 5-6 7-8 7-11 16-17
exact bonds :
1-15 2-13 3-14 4-19 4-20 5-7 6-12 8-9 8-10 16-18

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS

```
L1      STRUCTURE UPLOADED

=> s l1
SAMPLE SEARCH INITIATED 12:44:32 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     5232 TO ITERATE

 38.2% PROCESSED     2000 ITERATIONS                                 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       100303 TO   108977
PROJECTED ANSWERS:               0 TO        0

L2            0 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 12:44:53 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   104298 TO ITERATE

100.0% PROCESSED   104298 ITERATIONS                               0 ANSWERS
SEARCH TIME: 00.00.01

L3            0 SEA SSS FUL L1

=> hold
HOLD IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=>

=>
Executing the logoff script...


=> LOG H

COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   167.38     167.59

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 12:45:27 ON 14 JUN 2006

Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 12:49:21 ON 14 JUN 2006
FILE 'REGISTRY' ENTERED AT 12:49:21 ON 14 JUN 2006
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```